JAN 2 1990 RHODE ISLAND

RHODE ISLAND

1989 PEST CONDITIONS REPORT WORKSHEET

PEST (COMMON NAME): Gypsy Moth

(SPECIFIC NAME): Lymantria dispar

HOST: Many host plants

PRESENT CONDITION: Very little potential problem next season.

AREA (TOTAL ACRES): Less than 10 acres.

LOCATION: Town of Charlestown, RI.

SEVERITY (INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES):

No noticeable defoliation by gypsy moth last season.

LOSSES (INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES):

N.A.

TREND:

PAST TO PRESENT:

Wide spread severe infestations took place in the early 1980's have been replaced by light populations in the latter portion of the decade.

FUTURE:

At least some problems expected within a three year period due to spread from infestations in adjacent states.

CONTROL PROJECTS (METHOD, MATERIAL, ACRES, COST, RESULTS):

None during the past season.
Private applications at a very low level.

COMMENTS:

RHODE ISLAND
1989 PEST CONDITIONS REPORT WORKSHEET

PEST (COMMON NAME): Oak and Maple Anthracnose

(SPECIFIC NAME): Gnomonia

HOST: Various species of Oak and Maple trees

PRESENT CONDITION:

AREA (TOTAL ACRES): Not surveyed

LOCATION: Found statewide this season

SEVERITY (INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES):

Light statewide

LOSSES (INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES):

No estimates done

TREND:

PAST TO PRESENT: Moderate levels of infection found statewide during the two previous dry growing seasons. This summers problems caused by the rainy growing season.

FUTURE: Probably little problem for the next few seasons.

CONTROL PROJECTS (METHOD, MATERIAL, ACRES, COST, RESULTS):

No controls done or planned

COMMENTS:

RHODE ISLAND

1989 PEST CONDITIONS REPORT WORKSHEET

PEST (COMMON NAME): Red Pine Scale

(SPECIFIC NAME): Matsucoccus resinosae

HOST: Red Pine

PRESENT CONDITION:

AREA (TOTAL ACRES): 60 acres plus

LOCATION: Washington County (see map)

SEVERITY (INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES):

40 - 50 acres trees killed
10 - 12 acres trees with 40 - 50% branch mortality

LOSSES (INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES):

No estimates done

TREND:

PAST TO PRESENT: First find this year.
Previous survey in 1984 proved negative

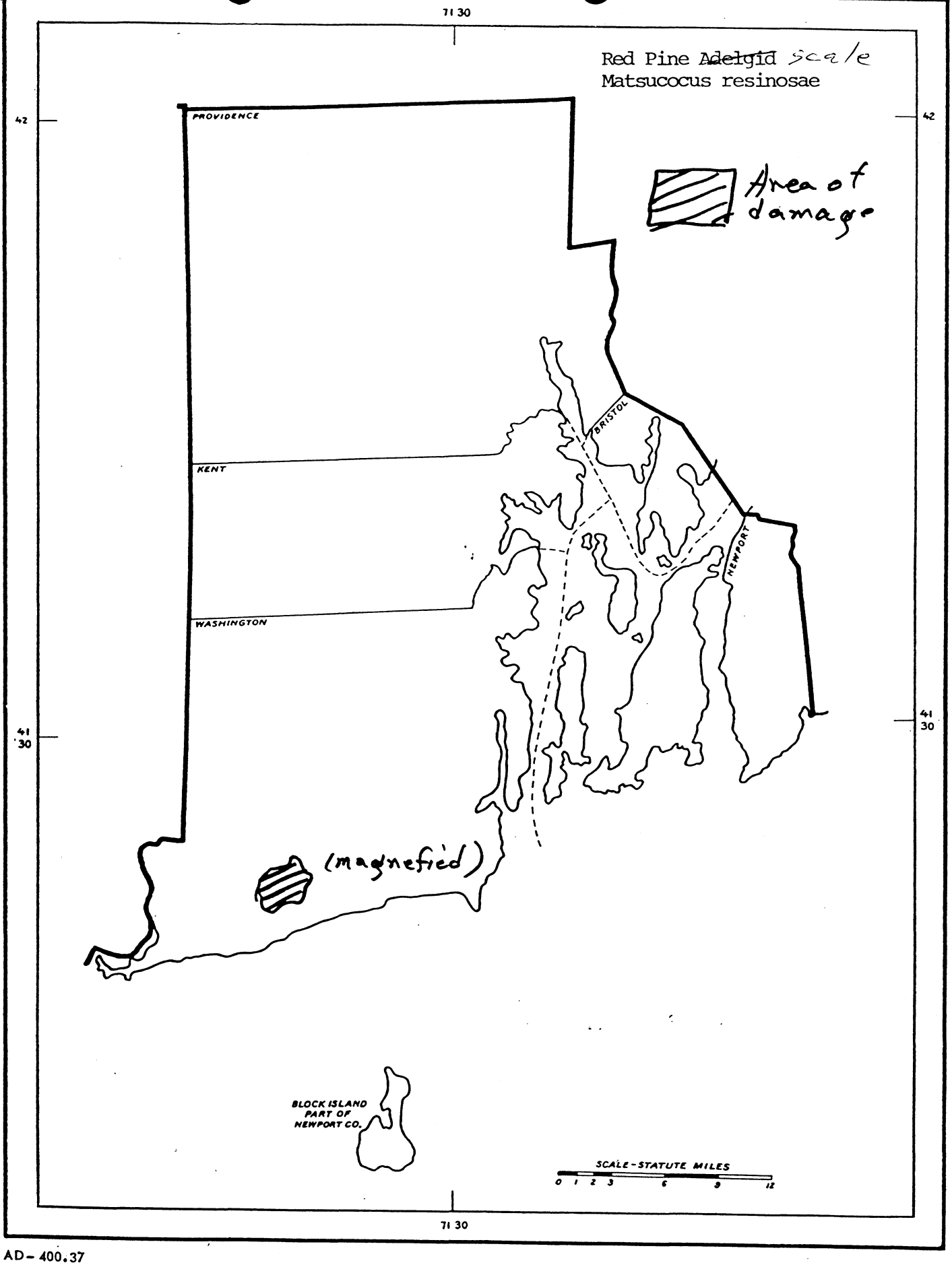
FUTURE: North and Eastward movement predicted

CONTROL PROJECTS (METHOD, MATERIAL, ACRES, COST, RESULTS):
Salvagins and burning to be done on the site of the infestation.

COMMENTS: First find in Rhode Island September 24, 1989.

RHODE ISLAND 1989

Red Pine ~~Adelgid~~ Scale
Matsucocus resinosae



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RHODE ISLAND

1989 PEST CONDITIONS REPORT WORKSHEET

PEST (COMMON NAME): A leaf tier

(SPECIFIC NAME): Probably Archips semifernaus

HOST: Various oak species

PRESENT CONDITION:

AREA (TOTAL ACRES): 100 acres

LOCATION: Providence and Kent Counties (see map)

SEVERITY (INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES):

100 acres, 10% - 40% defoliation

LOSSES (INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES):

No estimates done

TREND:

PAST TO PRESENT: Very light and scattered in prior years

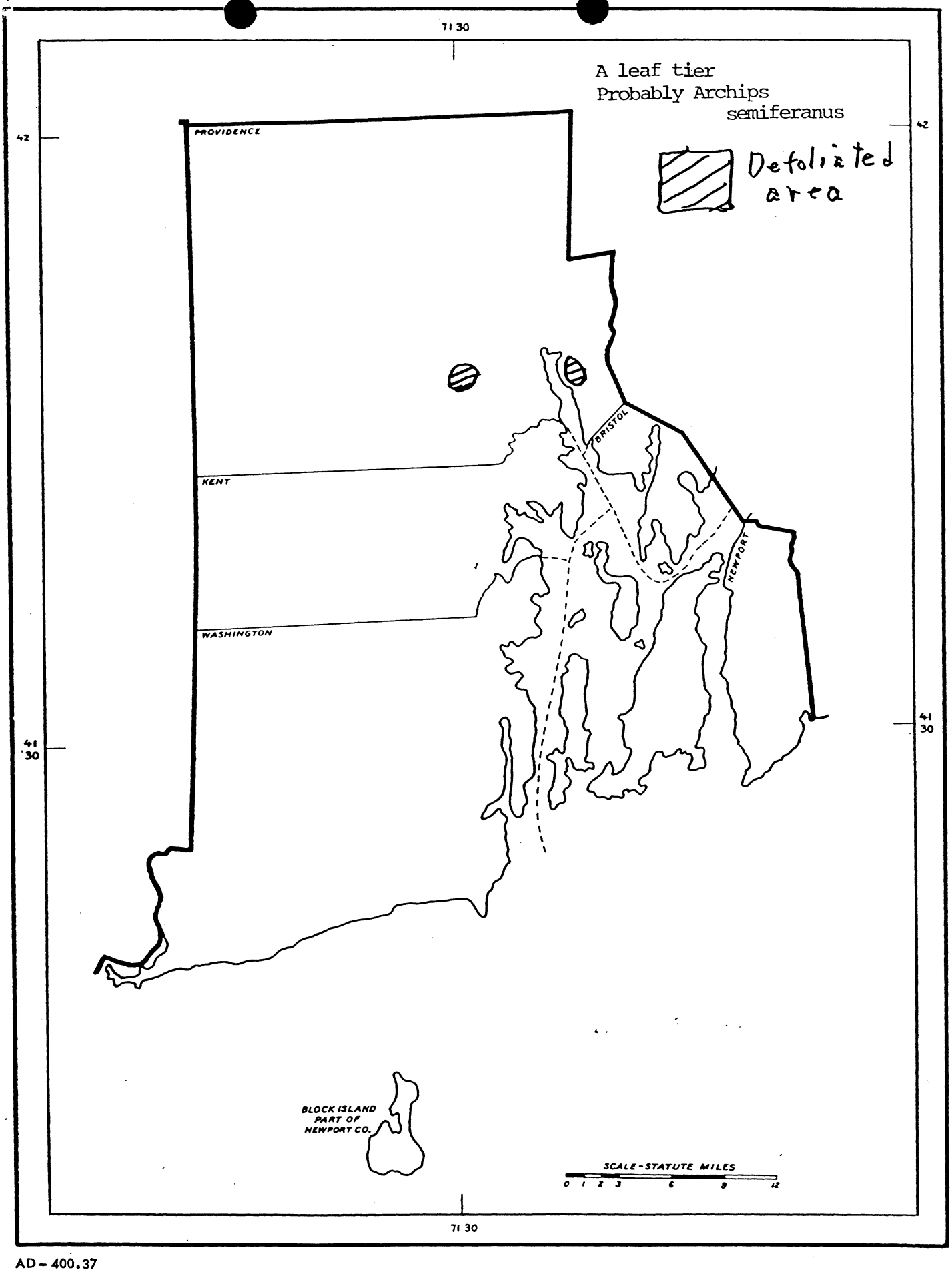
FUTURE: Unknown, usually found causing minor damage in small scattered locations here.

CONTROL PROJECTS (METHOD, MATERIAL, ACRES, COST, RESULTS):

No control work done this year. State may do some control work next year.

COMMENTS: Unexpected problems in the early spring. Much of the damage occurred on state owned land.

RHODE ISLAND 1989



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1989 PEST CONDITIONS REPORT WORKSHEET

RHODE ISLAND

PEST (COMMON NAME): Pear Thrips

(SPECIFIC NAME): Taeniothrips inconsequens

HOST: Apparently incomplete. Sugar Maple, Red Maple, various orchard fruits, grape and blackberry vines known losts.

PRESENT CONDITION:

AREA (TOTAL ACRES): 1988 report of less than one acre was incorrect. Infestation is at least 25 acres in size.

LOCATION: Scattered in Washington, Kent and Providence Counties.

SEVERITY (INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES):

Lightly infested

LOSSES (INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES):

No estimates done

TREND:

PAST TO PRESENT: 1989 was the first year of organized survey

FUTURE: Expected to expand in significance in both forest red maple an northern apple orchards.

CONTROL PROJECTS (METHOD, MATERIAL, ACRES, COST, RESULTS):

None done in the past, no planned in the future.

COMMENTS: Division plans to expand survey for adults and possibly begin soil sampling if funds are available.

RHODE ISLAND

1989 PEST CONDITIONS REPORT WORKSHEET

PEST (COMMON NAME): Hemlock Wooly Adelgid

(SPECIFIC NAME): Adelges tsugae

HOST: Eastern Hemlock (Tsuga caradensis)

PRESENT CONDITION:

AREA (TOTAL ACRES): 5 properties less than one acre.

LOCATION: Kent and Washingtin Counties

SEVERITY (INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES):

Infestation very apparent on three of the five infested properties.

LOSSES (INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES):

Around $200.00, all of pesticide application by private property owners.

TREND:

PAST TO PRESENT:

Second year of infestation.

FUTURE:

Spread likely if three uncontrolled infestations are not treated.

CONTROL PROJECTS (METHOD, MATERIAL, ACRES, COST, RESULTS):

No state or federal efforts have been done although there is an important need for such.

COMMENTS:

Five active infestations have been found in RI. Of these, only two are under control. The remaining three infestations have been treated by three different applicators hired by the respective property owners. These are all uncontrolled and spreading.

RHODE ISLAND

1989 PEST CONDITIONS REPORT WORKSHEET

PEST (COMMON NAME): A scolytid beetle

(SPECIFIC NAME): Pityphthonus

HOST: White pine

PRESENT CONDITION:

AREA (TOTAL ACRES): Reduced to about 100 acres (see map)

LOCATION: Northwestern Providence County.

SEVERITY (INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES):

60 acres 0% to 10% of twigs infested.
30 acres 10% to 40% of twigs infested.

LOSSES (INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES):

No estimates of damage done.

TREND:

PAST TO PRESENT: Second year of noticeable damage.

FUTURE: Probably will decline to an unnoticeable level.

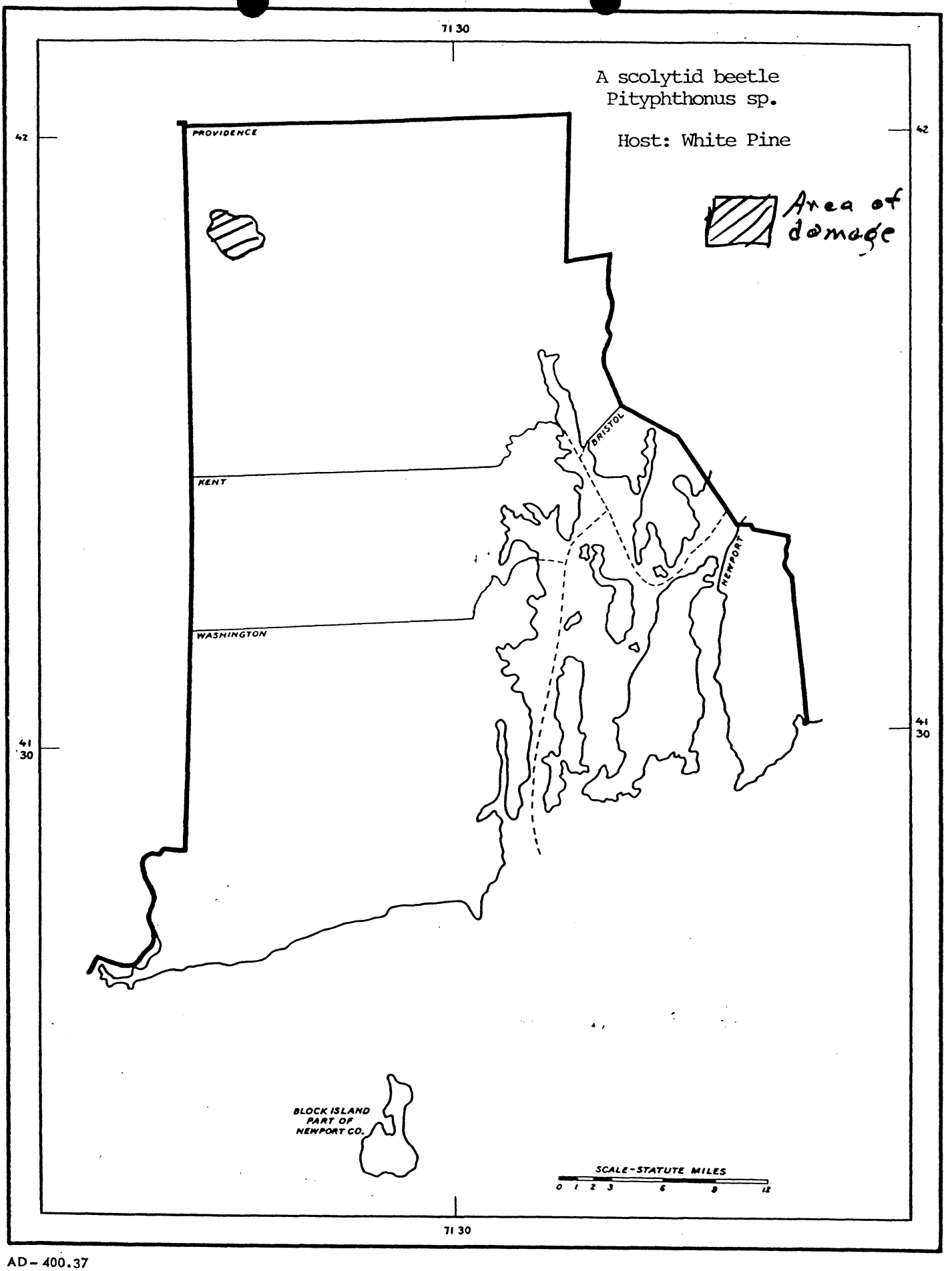
CONTROL PROJECTS (METHOD, MATERIAL, ACRES, COST, RESULTS):

No state or local control measures planned.

COMMENTS:

See last year's map for contrast.

RHODE ISLAND 1989



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RHODE ISLAND

1989 PEST CONDITIONS REPORT WORKSHEET

PEST (COMMON NAME): Orange-striped Oakworm

(SPECIFIC NAME): Anisota senatoria

HOST: White and other oak species

PRESENT CONDITION:

AREA (TOTAL ACRES): Less than 100 acres (see map)

LOCATION: Southern Providence County

SEVERITY (INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES):

50 acres 40 - 60% defoliation
50 acres 20 - 40% defoliation.

LOSSES (INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES):

Losses not calculated

TREND:

PAST TO PRESENT: Second year of contracting acreage after four years of large infestations in two counties.

FUTURE: Decreasing populations expected next year.

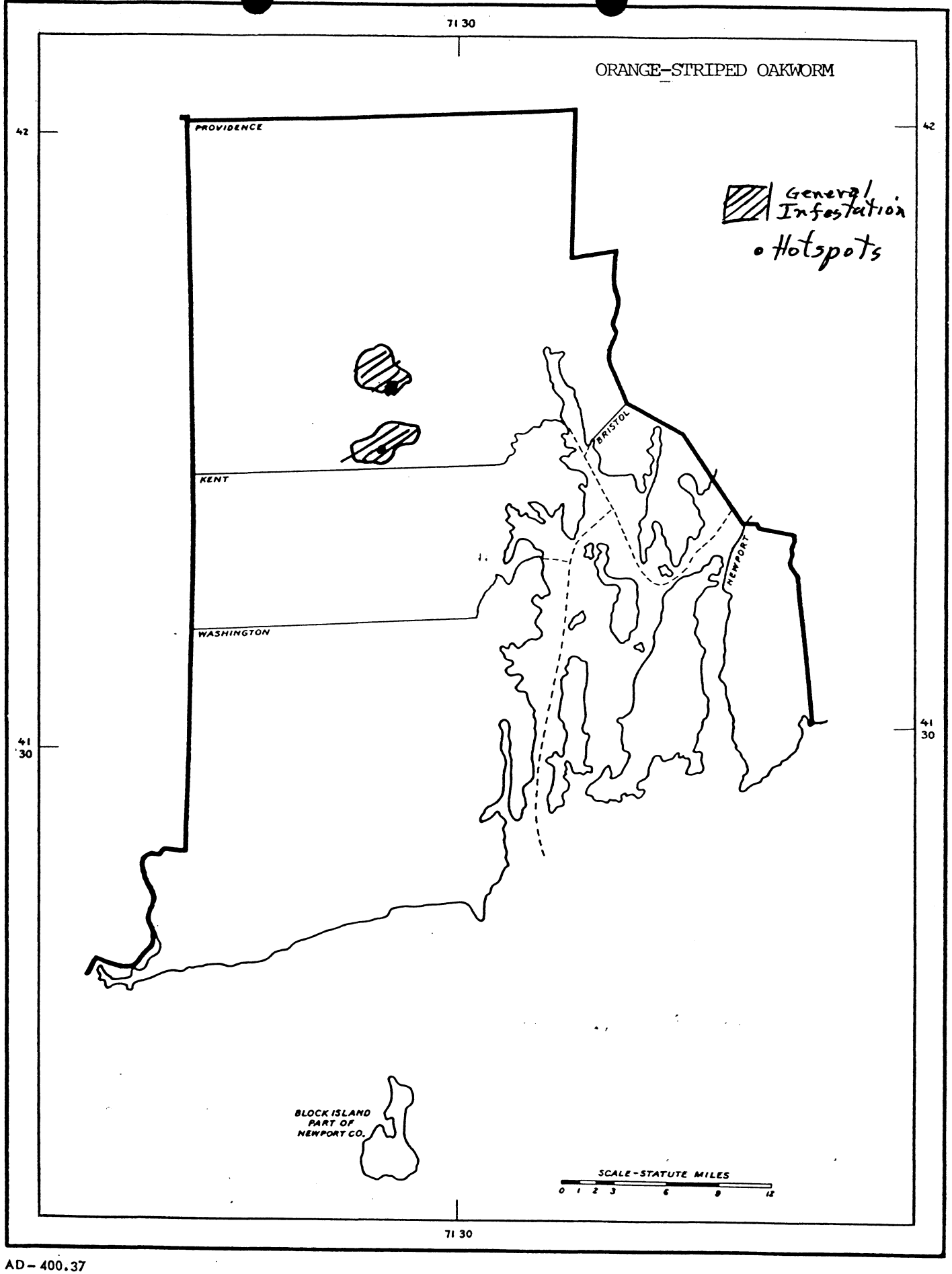
CONTROL PROJECTS (METHOD, MATERIAL, ACRES, COST, RESULTS):

No state or local control work planned

COMMENTS:

In the past, defoliations were characterized by a large percentage of low level defoliation and small hot spots.

RHODE ISLAND 1989



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RHODE ISLAND
1989 PEST CONDITIONS REPORT WORKSHEET

PEST (COMMON NAME): Verticillium wilt of Maple

(SPECIFIC NAME): Verticillium dahlia and Vialbo-atrum

HOST: Many host plants but Norway Maples seemed most susceptible.

PRESENT CONDITION: Statewide

AREA (TOTAL ACRES): Not surveyed

LOCATION: Not noticeable in 1989.

SEVERITY (INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES):
N.A.

LOSSES (INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES):
N.A.

TREND:

PAST TO PRESENT: Very significant in 1988 in 3 counties
little if any seen this year.

FUTURE: Probably will return during the next dry growing season.

CONTROL PROJECTS (METHOD, MATERIAL, ACRES, COST, RESULTS):

No control work done or planned.

COMMENTS: Moderate to heavy damage expected this summer the year after a drought, but few trees displayed symptoms probably due to rainy growing season this year.

RHODE ISLAND
1989 PEST CONDITIONS REPORT WORKSHEET

PEST (COMMON NAME): Dogwood Anthracnose

(SPECIFIC NAME): Discula

HOST: Dogwood Trees

PRESENT CONDITION:

AREA (TOTAL ACRES): Not surveyed

LOCATION: Most problems in Providence County in 1988 not noticeable this year.

SEVERITY (INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES):

Extremely light this year.

LOSSES (INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES): No estimates done

TREND:

PAST TO PRESENT: Moderate - Heavy 1988
Little problem in 1989

FUTURE: Will probably very significant most years from now on.

CONTROL PROJECTS (METHOD, MATERIAL, ACRES, COST, RESULTS): No control work done.

COMMENTS: Rainy growing season may have caused suseptible trees to grow more vigorously and become more resistant to latent infections.